

ABSTRACT

An improved post clamp for a molten metal pump includes a support post clamp that supports the weight of a pump superstructure on the top of the support posts. The clamp preferably includes (a) a bottom flange for connecting to the pump superstructure, (b) a cavity for receiving an end of a support post, wherein the end has a top surface, and (c) a top flange for being positioned above the top surface. In operation the top flange rests on the top surface of the support post thereby supporting at least part of the weight of the superstructure. It is preferred that a plurality of support posts and post clamps according to the invention be used with a molten metal pump wherein the top surface of each support post supports some of the weight of the superstructure. Also disclosed are novel support posts that may be used with the post clamp, and a pump in which the post clamp and/or support posts may be used.

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